

Phenomena of Jupiter's Satellites.

Day.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation. h m s	Mean Solar Time of N.A. h m	Observer.
1899. April 18	III. (a)	Occ. R. Last contact	Sheepshanks Equat.	120	10 51 49.1	10 41	B.
May 6	II.	Tr. Ing. First contact	"	"	9 40 3.99		H.
6	II.	Bisection	"	"	9 42 48.55	9 42	"
6	II.	Last contact	"	"	9 45 23.13		"
6	I.	Occ. D. First contact	"	"	11 53 57.17		"
6	I.	Bisection	"	"	11 56 11.80	11 56	"
6	I.	Last seen	"	"	11 58 21.45		"
6	II.	Tr. Egr. First contact	"	"	11 55 11.97		"
6	II.	Bisection	"	"	11 56 56.68	11 56	"
6	II.	Last contact	"	"	12 0 41.06		"

Note.

(a) The satellite emerged very slowly.

The observations of occultations of stars on December 16 were made during a partial eclipse of the Moon. The initials D., H., B., W. B., R., H. F., R. C., W., P. M., W. S., are those of Mr. Dyson, Mr. Hollis, Mr. Bryant, Mr. Bowyer, Mr. Rendell, Mr. Furner, Mr. Cheeseman, Mr. Witchell, Mr. Melotte, and Mr. Stevens respectively.

Royal Observatory, Greenwich,
1900 January 12.

Ephemeris for Physical Observations

Greenwich Noon.	P.	L—O.	B.	A—L.	B.	Q.	E.
1900.							
Aug. 24	338°43	193°51	+ 7°32	—28°06	—6°74	274°46	31°31
26	339°15	194°69	7°85	28°27	6°31	275°03	31°55
28	339°87	195°87	8°37	28°50	5°88	275°59	31°79
30	340°60	197°05	8°89	28°74	5°45	276°14	32°02
Sept. 1	341°33	198°23	9°40	28°96	5°02	276°68	32°25
3	342°06	199°40	+ 9°91	—29°19	—4°58	277°21	32°48
5	342°80	200°57	10°40	29°43	4°15	277°73	32°70
7	343°54	201°74	10°89	29°65	3°72	278°25	32°92
9	344°29	202°91	11°37	29°90	3°28	278°76	33°14
11	345°04	204°08	11°84	30°15	2°85	279°26	33°36
13	345°79	205°25	+ 12°30	—30°40	—2°42	279°75	33°57
15	346°54	206°41	12°76	30°64	1°99	280°24	33°78
17	347°29	207°57	13°21	30°89	1°56	280°72	33°99
19	348°04	208°73	13°65	31°14	1°14	281°19	34°20
21	348°79	209°89	14°08	31°39	0°71	281°65	34°40
23	349°55	211°05	+ 14°50	—31°65	—0°28	282°10	34°60
25	350°30	212°20	14°92	31°89	+ 0°14	282°55	34°80
27	351°05	213°35	15°33	32°15	0°56	282°98	34°99
29	351°80	214°50	15°73	32°41	0°98	283°40	35°18
Oct. 1	352°55	215°65	16°11	32°66	1°40	283°81	35°36
3	353°29	216°80	+ 16°48	—32°92	+ 1°82	284°21	35°54
5	354°03	217°94	16°85	33°17	2°24	284°59	35°71
7	354°77	219°08	17°21	33°43	2°65	284°97	35°87
9	355°51	220°22	17°55	33°68	3°07	285°34	36°03
11	356°24	221°35	17°89	33°92	3°48	285°70	36°18
13	356°97	222°48	+ 18°22	—34°17	+ 3°89	286°05	36°33
15	357°69	223°60	18°54	34°41	4°30	286°38	36°48
17	358°41	224°71	18°84	34°65	4°70	286°70	36°62
19	359°13	225°81	19°13	34°87	5°10	287°02	36°75
21	359°84	226°91	19°42	35°10	5°50	287°33	36°87
23	0°55	228°01	+ 19°69	—35°33	+ 5°90	287°62	36°99
25	1°24	229°10	19°96	35°55	6°30	287°90	37°10
27	1°92	230°19	20°22	35°76	6°69	288°17	37°20
29	2°60	231°27	20°46	35°97	7°08	288°43	37°29
31	3°27	232°34	+ 20°69	—36°17	+ 7°47	288°68	37°37